

# COVID-19: Infection control measures among radiographers in Malaysia

Norhayati Mohd Zain, Nur Anis Izzati Che Mut

Medical Imaging Department, School of Health Sciences, KPJ Healthcare University

## ABSTRACT

**Introduction:** Diagnostic examinations are essential in managing COVID-19 patients. This survey was conducted to assess the behavior of infection control practices pre- and during COVID-19. **Materials and Method:** A cross-sectional study through an online survey was conducted from October 2020 to May 2021. Convenience sampling was used to recruit radiographers from public and private hospitals in Malaysia. The validated survey comprised demographic data and behavioral intentions in practicing infection control measures and was distributed through social media platforms. Descriptive analysis, paired t-test, and one-way ANOVA were used to analyze the data. **Results:** A total of 300 radiographers participated in the study, whereby 45.7% were in the age group of 31–40 years, and 65.7% had 1–5 years of working experience. There was a significant difference in the infection control practice between the pre-COVID-19 pandemic and during the COVID-19 pandemic ( $p < 0.001$ ). Gender and the working sector have a significant association with infection control practices ( $p < 0.05$ ). At the same time, there are no associations between infection control practices and age, education level, and years of working experience. **Conclusion:** The finding showed that the radiographer in this study improved their infection control practice during COVID-19. Thus, to ensure this good practice is maintained, repetitive training and psychosocial support from management and ministry are necessary. Besides, the development of Artificial Intelligence can be further explored, which might help limit the cross-infection.